

**PROCEDURES FOR THE ANNUAL VERIFICATION OF  
CBR PENETRATING PISTON  
AASHTO T 193**

**A. PURPOSE**

This method is intended to provide instruction in the verification of the diameter of a CBR penetration piston.

**B. APPARATUS REQUIRED**

Calipers readable to 0.001 inch (0.025 mm)

**C. PROCEDURE**

Measure the diameter of the penetration piston with calipers in three (3) different locations to the nearest 0.001 inch (.025 mm).

**D. TOLERANCE**

The diameter of the CBR penetration piston shall meet the requirements specified in AASHTO Test Method T 193.

**Note:** If any one (1) of the three (3) measurements is out of tolerance, the piston should be considered out of tolerance.

# EQUIPMENT VERIFICATION RECORD

Verified By: _____	Date: _____
Equipment: <u>CBR Penetrating Piston</u>	Location (Lab):s _____
Identification No.: _____	Verification Frequency: <u>12 months</u>
Previous Verification Date: _____	Next Due Date: _____
Verification Equipment Used: Calipers (readable to 0.001 in.[.025 mm]), SN: _____	
Verification Procedure: <u>(In-house) OMR-CVP-15 / AASHTO T 193</u>	

Piston Number	Measured Diameter Position 1	Measured Diameter Position 2	Measured Diameter Position 3	Pass / Fail

NOTE: Acceptable Tolerance Piston Diameter is to be between 1.949 in. and 1.959 in. (49.50 – 49.76 mm). Length should be at least four inches (102 mm).

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_